

10 AUG 1976

STATINTL MEMORANDUM FOR: Chief, Real Estate and Construction Division, OL
FROM : [REDACTED]
Chief, Headquarters Engineering Branch, RECD/OL
SUBJECT : Current Status of Project SAFE

STATINTL 1. Mr. [REDACTED] Director, Project SAFE/Office of Data Processing (ODP), has indicated that Agency management believes the stumbling blocks for funding of a modified Project SAFE at \$35,000,000 have been overcome with the approval of the House committee. ODP has resumed project planning and is anticipating \$3,500,000 in FY 1977. Subsequently \$10,000,000 to \$11,000,000 is projected for FY 1978. While the majority of FY 1977 funding will be utilized in systems design, approximately \$1,000,000 has been budgeted for facilities-type projects. In FY 1978 an additional \$2,500,000 is programmed for facilities. Preliminary facilities requirements still revolve around a large central computer facility of ultimately 20,000 square feet. Being independent of other ODP centers, its location is generally dictated by availability of utilities and security requirements to the north side of the building, as originally conceived, on either the ground or first floors. Preliminary site selection remains in the center portion of the 1H corridor (DDI/Central Reference Service).

2. A detailed evaluation is necessary regarding utilities support for this facility as the operating philosophy regarding the emergency powered chill water supply has now reverted to the main powerplant being powered by the large emergency generators (i.e., two 2500 and two 2000 kW generators). Consequently, a third 2500 kW generator may be required to supply emergency power for the SAFE computer facility. The ongoing design for the second 2500 includes provision for the addition of a third such unit. In this mode adequate chiller capacity exists at the powerplant; however, should it be necessary to provide redundancy within the main building, this will be required on the north side basement.

3. While in general the requirements in each of the [REDACTED] remote analyst stations will not individually be severe, they will require some organizational layout changes within user groups. Dedicated electrical power circuits will be required in order to ensure

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adequate power during emergency situations and non-interruption from portable heaters, vacuum cleaners, etc. The nominal additional heat load due to these clustered terminals should not significantly alter the existing house supply. Subsequent discussions with the Office of Security will determine whether Special Purpose Vaulting is adequate for physical security and will dictate what telephone layout constraints will be dictated by computer emissions countermeasures. Further details are necessary in order to adequately plan at specific local user analyst stations in terms of adequate available electrical capacity and circuits at a given floor electric closet.

4. A major addition will probably be necessary to the data grid system, which currently serves ODP facilities on the south side of the building; whereas, SAFE will originate on the north side. In addition to the central 20,000 square foot facility, approximately 3,000 square feet will be required in a ground floor on-grade location to support the weight of both 60 and 415 Hz Uninterruptible Power Systems; which must be geographically located close to the main center.

5. It has been presumed that the FY 1977 funding of the C Vault electric expansion will permit an early start to that project as Project SAFE will require approximately 50 percent of the expanded capacity. In addition, approximately 2,000 square feet will be required if a micrographics type system (i.e., UltraFICHE or UltraSTRIP) rather than video storage is used.

6. Beginning on 1 October 1976, immediate Procurement Division action will be required. General facilities type planning by Real Estate and Construction Division has begun; however, detail planning will be paced to the ongoing systems design work. It is projected that an 8,000 to 10,000 square feet portion of the central computer facility will be required by early 1978. Thus, any subsequent planning regarding space utilization in the 1H corridor and contiguous space in the ground floor areas of the Headquarters Building should integrate Project SAFE into its development including preliminary planning for maximum flexibility of facilities support.

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cc: Chief, Logistics Services Division/OL
Chief, Procurement Division/OL
Chief, Architectural Design Staff/LSD/OL
Director, Project SAFE

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